

To: Tan, Cecilia[Tan.Cecilia@epa.gov]; Lowit, Anna[Lowit.Anna@epa.gov]
From: Craig, Evisabel
Sent: Thur 11/3/2016 7:00:20 PM
Subject: Info to be gathered for PBPK modeling
D424485.mem.docx

Cecilia/Anna,

I would like to get some clarification on the specific information you would like us to gather for the pyrethroids.

The list of five items listed below appear in the chlorpyrifos RA attached in multiple paragraphs and not in a table. Should we write a similar narrative or would it be more useful to put it in a table format? If you'd like a table format, do you have one that we could use as a guide? Also, do you need information on endpoints or just exposure scenarios? Also, when would you ideally like this information by?

Thank you,

Evisabel A. Craig, Ph.D., DABT

Toxicologist

Health Effects Division (MC 7509P)

Office of Pesticide Programs, US EPA

1200 Pennsylvania Ave NW

Washington, DC 20460

Phone: (703) 347-0108

From: Davis, Donna
Sent: Thursday, November 03, 2016 7:47 AM
To: OPP HED RAB6 <OPP_HED_RAB6@epa.gov>
Subject: FW: Carbaryl call with Scitovation today

If you have malathion, permethrin, lambda/gamma, or esfenvalerate – see Anna's note below for information you should gather.

From: Lowit, Anna
Sent: Wednesday, November 02, 2016 2:52 PM
To: Olinger, Christine <Olinger.Christine@epa.gov>; Davis, Donna <Davis.Donna@epa.gov>; Swartz, Christina <Swartz.Christina@epa.gov>; Vogel, Dana <Vogel.Dana@epa.gov>; Dawson, Jeffrey <Dawson.Jeff@epa.gov>
Cc: Britton, Wade <Britton.Wade@epa.gov>
Subject: FW: Carbaryl call with Scitovation today

Here is the information that Cecilia needs for developing scenarios using pbpk models, see below.

Wade & Cecilia have done this for cpfos, so this is the best place to start.---pp 62-65 in this file.

Anna B. Lowit, Ph.D.

Senior Science Advisor

Immediate Office

Office of Pesticide Programs, USEPA

w: 703-308-4135

c: 703-258-4209

From: Tan, Cecilia

Sent: Wednesday, November 02, 2016 1:38 PM

To: Lowit, Anna <Lowit.Anna@epa.gov>

Cc: Walsh, Linsey <Walsh.Linsey@epa.gov>; Gallagher, Sarah <Gallagher.Sarah@epa.gov>; Godshall, Joshua <Godshall.Joshua@epa.gov>; Olinger, Christine <Olinger.Christine@epa.gov>

Subject: RE: Carbaryl call with Scitovation today

Thank you, Anna, for your quick responses.

The only information they need for the list of scenarios include the following:

1. Body weight (kg)
2. Exposure length (e.g., 1 day, 21 days, 30 days)
3. Exposure frequency (e.g., once per day, 5 days or 7 days per week)
4. Exposure duration (e.g., 2 hours per day, 8 hours per day), this will not be needed for daily oral exposure
5. Route of exposure (e.g., dermal, oral, inhalation)

Here is one example: 4.8 kg, single daily oral dose for 21 days.

They will be able to finish the oral PoD sooner than other scenarios (e.g., worker).

Cecilia

From: Lowit, Anna
Sent: Wednesday, November 02, 2016 1:11 PM
To: Tan, Cecilia <Tan.Cecilia@epa.gov>
Cc: Walsh, Linsey <Walsh.Linsey@epa.gov>; Gallagher, Sarah <Gallagher.Sarah@epa.gov>; Godshall, Joshua <Godshall.Joshua@epa.gov>; Olinger, Christine <Olinger.Christine@epa.gov>
Subject: Re: Carbaryl call with Scitovation today

Cecilia

Ex. 5 - Deliberative Process

One of the BCs is going to help get the list of scenarios going. I've cc'd josh here who knows carbaryl.

Sent from my iPhone

On Nov 2, 2016, at 12:27 PM, Tan, Cecilia <Tan.Cecilia@epa.gov> wrote:

Hi, Anna,

Here is a short summary of our conference call with ScitoVation today.

They are updating the model to include life-stage specific parameters, and the oral model should be ready before the end of December (they also said it could be done within a month). They will add the dermal and inhalation routes, and those will be ready in January.

I think their approach for including life-stage changes is reasonable. Not sure if there are existing dermal or inhalation data for them to evaluate the model, but we will wait and see.

Here are three questions for you and the team:

Ex. 5 - Deliberative Process

Lindsey, Sarah, and Josh (sorry, I forgot Josh's last name so I didn't cc him) were also on the phone. If I missed anything, please feel free to add.

Thank you.

Cecilia